

WHAT IS CLAIMED IS:

1. A connecting structure of a conductive connecting tab of a battery, said conductive connecting tab mounted on a battery element and connected to inner wall 5 surface of a battery case or to inner surface of a battery housing, a plurality of bumps for projection welding of said conductive connecting tab being positioned face-to-face to inner wall surface of the battery case or to the surface of the battery housing, and projection welding is 10 performed to connect the tab.

2. A connecting structure of a conductive connecting tab according to claim 1, wherein said conductive connecting tab is made of nickel or nickel alloy or aluminum or aluminum alloy.

15 3. A connecting structure of a conductive connecting tab according to claim 1, wherein a portion where the conductive connecting tab is connected to a battery case or to a battery housing made of nickel-plated soft steel, stainless steel, aluminum or alloy of these 20 metals.

4. A sealed battery, comprising a conductive connecting tab mounted on a battery element, a plurality of bumps for projection welding are formed on the conductive connecting tab, said bumps for projection welding being 25 positioned face-to-face to inner wall surface of a battery case or to inner wall of a battery housing, and projection welding is performed to connect the tab.

5. A method for forming a connecting structure of a

conductive connecting tab of a battery, the conductive connecting tab being mounted on a battery element, said method comprising the steps of forming a plurality of bumps for projection welding on the conductive connecting tab,

- 5      positioning said bumps face-to-face to inner wall surface of the battery case or to inner surface of the battery housing, and supplying welding current under the condition that a pair of electrodes are pressed on welding points, said pair of electrodes having contact areas larger than
- 10     areas of portions where said plurality of bumps are positioned.

6.      A method for manufacturing a sealed battery, said method comprising the steps of forming a plurality of bumps for projection welding on a connective connecting tab,

- 15     said conductive connecting tab being mounted on a battery element and connected to inner surface of a battery housing, positioning said bumps face-to-face to inner wall surface of the battery case or to inner surface of the battery housing, supplying welding current under the condition that
- 20     a pair of electrodes are pressed on welding points, said pair of electrodes having contact areas larger than areas of portions where said plurality of bumps are positioned, and performing projection welding to form the connection.